

**In the United States Patent and Trademark Office**

In re application of: :  
Chen : Art Unit:  
AN 10/772,225 : Examiner:  
Filed: 02/04/2004 : Atty's Docket: SC-03-02  
For: Three Dimensional Tooth Orientation for Roller Cone Bits  
(confirmation no. 2188)

**PRELIMINARY AMENDMENT**

Honorable Commissioner of Patents and Trademarks  
Alexandria, VA 22313

Sir:

Please amend the above application as indicated below. Any fee necessary for consideration of this paper has been authorized to be charged to Deposit Account Number 07-2320.

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**GROOVER & ASSOCIATES**  
11330 Valley Dale Drive, Dallas TX 75230  
214-363-3038, FAX -3895

Robert O. Groover III, *Reg'd Patent Atty.*  
N. Elizabeth Pham, *Reg'd Patent Atty.*

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Please find enclosed:

Preliminary Amendment (3 pages)

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